

Amendments to the Abstract:

ABSTRACT

Please replace the abstract that appears on page 13 of the specification with the following revised abstract which is submitted on a separate sheet.

Abstract

A process measuring device including: A first processor [[21]], which performs a measured value processing with a first algorithm in first processing cycles; and a second processor [[25]], which is responsible for coordination and/or communication tasks. The second processor [[25]] reads, in time intervals which are greater than the first processing cycle, a control data set from the first processor [[21]], and executes the first algorithm on the basis of the control data set, in order to verify the correct functioning of the first processor.

[[Fig. 2]]